

## AUTHOR INDEX

- Ahyaudin, A., *see* Leong, T.-S. et al.
- Appelbaum, S., *see* Hecht, T. and Appelbaum, S.
- Areerat, S. (Bangkok, Thailand)  
*Clarias* culture in Thailand ..... 355
- Boon, J.B., *see* Henken, A.M. et al., p. 221
- Boon, J.H., Oorschot, R.W.A., Henken, A.M. and Van Doesum, J.H. (Wageningen, The Netherlands)  
 Ruptured intestine syndrome of unknown etiology in young African catfish, *Clarias gariepinus* (Burchell 1822), and its relation to the feeding level ..... 283
- Bovendeur, J., Eding, E.H. and Henken, A.M. (Wageningen, The Netherlands)  
 Design and performance of a water recirculation system for high-density culture of the African catfish, *Clarias gariepinus* (Burchell 1822) ..... 329
- Britz, P.J. and Hecht, T. (Grahamstown, South Africa)  
 Temperature preferences and optimum temperature for growth of African sharptooth catfish (*Clarias gariepinus*) larvae and postlarvae ..... 205
- Brunink, A.M., *see* Henken, A.M. et al., p. 233
- Cattel, B.C., *see* Henken, A.M. et al., p. 221
- Chuapoehek, W. (Bangkok, Thailand)  
 Protein requirements of walking catfish, *Clarias batrachus* (Linnaeus), fry ..... 215
- De Leeuw, R., Goos, H.J.Th. and Van Oordt, P.G.W.J. (Utrecht, The Netherlands)  
 The regulation of gonadotropin release by neurohormones and gonadal steroids in the African catfish, *Clarias gariepinus* ..... 43
- De Leeuw, R., *see also* Goos, H.J.Th. et al.; Resink, J.W. et al., p. 97; Richter, C.J.J. et al., p. 157
- Den Bieman, H., *see* Verreth, J. and Den Bieman, H.
- Eding, E.H., *see* Bovendeur, J. et al.; Richter, C.J.J. et al., pp. 157, 169
- Gielen, J.Th., *see* Goos, H.J.Th. et al.
- Goos, H.J.Th. (Utrecht, The Netherlands), Joy, K.P. (Varanasi, India), De Leeuw, R., Van Oordt, P.G.W.J. (Utrecht, The Netherlands), Van Delft (Oss, The Netherlands) and Gielen, J.Th. (Boxmeer, The Netherlands)  
 The effect of luteinizing hormone-releasing hormone analogue (LHRHa) in combination with different drugs with anti-dopamine and anti-serotonin properties on gonadotropin release and ovulation in the African catfish, *Clarias gariepinus* ..... 143
- Goos, H.J.Th., *see also* De Leeuw, R. et al.; Richter, C.J.J. et al., p. 157; Van Oordt, P.G.W.J. and Goos, H.J.Th.
- Granneman, J.C.M., *see* Schoonen, W.G.E.J. et al., p. 77
- Groeninx van Zoelen, R.F.O., *see* Resink, J.W. et al., p. 115
- Hecht, T. (Grahamstown, South Africa) and Appelbaum, S. (Sede Boqer, Israel)  
 Notes on the growth of Israeli sharptooth catfish (*Clarias gariepinus*) during the primary nursing phase ..... 195
- Hecht, T., *see also* Britz, P.J. and Hecht, T.; Uys, W. and Hecht, T.; Uys, W. et al.
- Henken, A.M., Boon, J.B., Cattel, B.C. and Lobée, H.W.J. (Wageningen, The Netherlands)  
 Differences in growth rate and feed utilization between male and female African catfish, *Clarias gariepinus* (Burchell 1822) ..... 221
- Henken, A.M., Brunink, A.M. and Richter, C.J.J. (Wageningen, The Netherlands)  
 Differences in growth rate and feed utilization between diploid and triploid African catfish, *Clarias gariepinus* (Burchell 1822) ..... 233



- Henken, A.M., *see also* Boon, J.H. et al.; Bovendeur, J. et al.
- Huisman, E.A. and Richter, C.J.J. (Wageningen, The Netherlands)  
 Reproduction, growth, health control and aquacultural potential of the African catfish,  
*Clarias gariepinus* (Burchell 1822) ..... 1
- Huisman, E.A., *see also* Resink, J.W. et al., p. 115.
- Joy, K.P., *see* Goos, H.J.Th. et al.
- Kwan, F.-S., *see* Leong, T.-S. et al.
- Lambert, J.G.D., *see* Resink, J.W. et al., p. 59; Schoonen, W.G.E.J. et al., pp. 77, 129
- Leong, T.-S., Tan, E.S.P., Wong, S.-Y., Ahyaudin, A. (Penang, Malaysia) and Kwan, F.-S.  
 (Butterworth, Malaysia)  
 Ichthyophthiriasis in catfish (*Clarias macrocephalus* Günther) fingerlings in Penang,  
 Malaysia, imported from Thailand ..... 315
- Leong, T.-S., *see also* Zaman, Z. and Leong, T.-S.
- Lobée, H.W.J., *see* Henken, A.M. et al., p. 221
- Oorschot, R.W.A., *see* Boon, J.H. et al.
- Peute, J., *see* Van Oordt, P.G.W.J. et al.
- Resink, J.W., Schoonen, W.G.E.J., Van Den Hurk, R. (Utrecht, The Netherlands), Viveen,  
 W.J.A.R. (Wageningen, The Netherlands) and Lambert, J.G.D. (Utrecht, The  
 Netherlands)  
 Seasonal changes in steroid metabolism in the male reproductive organ-system of the  
 African catfish, *Clarias gariepinus* ..... 59
- Resink, J.W., Van Den Hurk, R., Voorthuis, P.K., Terlouw, M., De Leeuw, R. (Utrecht, The  
 Netherlands) and Viveen, W.J.A.R. (Wageningen, The Netherlands)  
 Quantitative enzyme histochemistry of steroid and glucuronide synthesis in testes and  
 seminal vesicle, and its correlation to plasma gonadotropin level in *Clarias*  
*gariepinus* ..... 97
- Resink, J.W., Van Den Hurk, R., Groeninx van Zoelen, R.F.O. (Utrecht, The Netherlands)  
 and Huisman, E.A. (Wageningen, The Netherlands)  
 The seminal vesicle as source of sex attracting substances in the African catfish, *Clarias*  
*gariepinus* ..... 115
- Resink, J.W., *see also* Van Den Hurk, R. et al.
- Richter, C.J.J., Eding, E.H. (Wageningen, The Netherlands), Goos, H.J.Th., De Leeuw, R.  
 (Utrecht, The Netherlands), Scott, A.P. (Lowestoft, Great Britain) and Van Oordt,  
 P.G.W.J. (Utrecht, The Netherlands)  
 The effect of pimozide/LHRHa and 17 $\alpha$ -hydroxyprogesterone on plasma steroid levels  
 and ovulation in the African catfish, *Clarias gariepinus* ..... 157
- Richter, C.J.J., Viveen, W.J.A.R., Eding, E.H., Sukkel, M., Rothuis, A.J. (Wageningen, The  
 Netherlands), Van Hoof, M.F.P.M., Van Den Berg, F.G.J. and Van Oordt, P.G.W.J.  
 (Utrecht, The Netherlands)  
 The significance of photoperiodicity, water temperature and an inherent endogenous  
 rhythm for the production of viable eggs by the African catfish, *Clarias gariepinus*,  
 kept in subtropical ponds in Israel and under Israeli and Dutch hatchery conditions .. 169
- Richter, C.J.J., *see also* Henken, A.M. et al., p. 233; Huisman, E.A. and Richter, C.J.J.
- Rothuis, A.J., *see* Richter, C.J.J. et al., p. 169
- Schoonen, W.G.E.J., Granneman, J.C.M., Lambert, J.G.D. and Van Oordt, P.G.W.J.  
 (Utrecht, The Netherlands)  
 Steroidogenesis in the testes and seminal vesicles of spawning and non-spawning African  
 catfish, *Clarias gariepinus* ..... 77
- Schoonen, W.G.E.J., Van Bennekum, A.M., Lambert, J.G.D. (Utrecht, The Netherlands),  
 Viveen, W.J.A.R. (Wageningen, The Netherlands) and Van Oordt, P.G.W.J. (Utrecht,  
 The Netherlands)  
 Steroidogenesis in pre- and postspawned ovaries of feral African catfish, *Clarias*  
*gariepinus* ..... 129



- Schoonen, W.G.E.J., *see also* Resink, J.W. et al., p. 59
- Scott, A.P., *see* Richter, C.J.J. et al., p. 157
- Segner, H., *see* Verreth, J. et al.
- Steyn, G.J. and Van Vuren, J.H.J. (Johannesburg, South Africa)
- The fertilizing capacity of cryopreserved sharptooth catfish (*Clarias gariepinus*) sperm . 187
- Storch, V., *see* Verreth, J. et al.
- Sukkel, M., *see* Richter, C.J.J. et al., p. 169
- Tan, E.S.P., *see* Leong, T.-S. et al.
- Terlou, M., *see* Resink, J.W. et al., p. 97
- Uys, W. and Hecht, T. (Grahamstown, South Africa)
- Assays on the digestive enzymes of sharptooth catfish, *Clarias gariepinus* (Pisces: Clariidae) ..... 301
- Uys, W., Hecht, T. and Walters, M. (Grahamstown, South Africa)
- Changes in digestive enzyme activities of *Clarias gariepinus* (Pisces: Clariidae) after feeding ..... 243
- Van Bennekum, A.M., *see* Schoonen, W.G.E.J. et al., p. 129
- Van Delft, A.M.L., *see* Goos, H.J.Th. et al.
- Van Den Berg, F.G.J., *see* Richter, C.J.J. et al., p. 169
- Van Den Hurk, R., Resink, J.W. and Voorthuis, P.K. (Utrecht, The Netherlands)
- An enzyme-histochemical study concerning the localization of steroid glucuronide production in the reproductive organs of African catfish, *Clarias gariepinus* ..... 89
- Van Den Hurk, R., *see also* Resink, J.W. et al., pp. 59, 97, 115; Van Oordt, P.G.W.J. et al.
- Van Doesum, J.H., *see* Boon, J.H. et al.
- Van Hoof, M.F.P.M., *see* Richter, C.J.J. et al., p. 169
- Van Oordt, P.G.W.J. and Goos, H.J.Th. (Utrecht, The Netherlands)
- The African catfish, *Clarias gariepinus*, a model for the study of reproductive endocrinology in teleosts ..... 15
- Van Oordt, P.G.W.J., Peute, J., Van Den Hurk, R. (Utrecht, The Netherlands) and Viveen, W.J.A.R. (Wageningen, The Netherlands)
- Annual correlative changes in gonads and pituitary gonadotropes of feral African catfish, *Clarias gariepinus* ..... 27
- Van Oordt, P.G.W.J., *see also* De Leeuw, R. et al.; Goos, H.J.Th. et al.; Richter, C.J.J. et al., pp. 157, 169; Schoonen, W.G.E.J. et al., pp. 77, 129
- Van Vuren, J.H.J., *see* Steyn, G.J. and Van Vuren, J.H.J.
- Verreth, J. and Den Bieman, H. (Wageningen, The Netherlands)
- Quantitative feed requirements of African catfish (*Clarias gariepinus* Burchell) larvae fed with decapsulated cysts of *Artemia*. I. The effect of temperature and feeding level 251
- Verreth, J. (Wageningen, The Netherlands), Storch, V. and Segner, H. (Heidelberg, Federal Republic of Germany)
- A comparative study on the nutritional quality of decapsulated *Artemia* cysts, micro-encapsulated egg diets and enriched dry feeds for *Clarias gariepinus* (Burchell) larvae ..... 269
- Viveen, W.J.A.R., *see* Resink, J.W. et al., pp. 59, 97; Richter, C.J.J. et al., p. 169; Schoonen, W.G.E.J. et al., p. 129; Van Oordt, P.G.W.J. et al.
- Voorthuis, P.K., *see* Resink, J.W. et al., p. 97; Van Den Hurk, R. et al.
- Walters, M., *see* Uys, W. et al.
- Wong, S.-Y., *see* Leong, T.-S. et al.
- Zaman, Z. and Leong, T.-S. (Penang, Malaysia)
- Seasonal occurrence of *Lytocetus lativitellarium* Furtado and Tan 1973 in *Clarias macrocephalus* Günther in Kedah and Perak, Malaysia ..... 319